



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO037930

Supplier: CHE001-VC
Chemetall Canada Limited
P.O. Box 46186, Postal Station A
Toronto
ON
M5W 4K9 Canada
Phone: 877-311-1471
Fax: 905-791-1459

PO No: PO037930

PO Date: 10/5/17

Due Date: 10/10/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items													
Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1					OAKITE Deoxidizer Lnc (208 L)		Firmed	10/10/17	✓ 1 Ea	0 Ea	1 Ea	\$2,219.36/Ea	\$2,219.36
Line Item Note GARY													
SP 17-10-12												Grand Total: \$2,219.36	

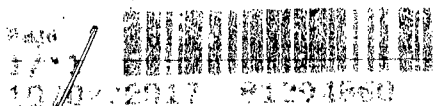
Procurement Quality clauses

A000, not required

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/5/17 10:44 AM dart.lavoie.chantal

PACKING SLIP



8337859

1008918/23 27/10/17

Scheduled Ship Date

Shipper's No.

Consignee P.O. No. - Release No.

Order No. / Date

From: Chemetall Canada, LTD
10 INDUSTRIAL COURT
MONTREAL QUEBEC H3A 1K1

Ship VIA Montreal

EMERGENCY CONTACT / 24 HOUR NUMBER:

Freight Charges are:
PREPAID

HEMIREL - (500) 400-0000
CONTACT CITY 10/17

Consigned To: 65341

UNIT AIRSPACE LTD.

100 ABERDEEN STREET

SCARBURY-EXTEND OF 76A 1K1

Send Freight Bill To:

FOR FREIGHT COLLECT SHIPMENTS:
If this shipment is to be delivered to the consignee without recourse to the consignor, the consignee shall sign the following statement; The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges.

X

(Signature of Consignor)

Carrier Delivery Notes:

Pcs.	Product Name	Product Code	Page #	Batch No. - Bin No.
	Deoxidizer LNC (55 Gal/206 Litre Dr Batches: 880401/71 - 1 <i>APL 10</i>	3850902	311	

PKGS.	Kind of Pkg.	Description of Articles, Special Marks and Exceptions
1	X DRUM	UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (FERRIC SULFATE NITRIC ACID) IT - BMT 11135 13 <i>SPR-10-12</i>

1	← TOTAL PACKAGES	IF DAMAGE OR DELAYS OCCUR, CONTACT:	TOTAL WEIGHT →
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10/01/2017 11:29:46

Chemical Corporation can be used to verify that the above named material is properly classified, packaged, marked and labeled and is in proper condition for transportation according to the regulations governing the transportation of hazardous materials. This is the responsibility of the shipper. Chemetall Canada, LTD, 10 Industrial Court, Montreal, Quebec H3A 1K1. Telephone (514) 734-1000. Fax (514) 734-1001.

☐ C of A

☐ SPCL REQMS

OK

Date

10-02-17

PLACARDS

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY-ONTARIO ON K6A 1K7
CANADA

09/29/2017

Certificate of Analysis / Certificate of Compliance

Product : 3850902 Deoxidizer LNC

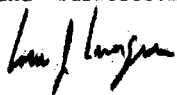
This product meets Chemetall's specifications. Please note the test results below:

Batch 880801171 / DOM 08/01/2017 / Best Before 08/01/2019

Test (Method)	Unit	Result	Specification	
			min.	max.
Specific Gravity QC 02	G	1.484	1.460	1.500
Titration For Iron QC 80	ml	15.1	14.2	
Titration to pH 9 QC 22		5.8	5.7	9.8

Certified:

The analysis values stated above were measured in samples taken out of the production batch delivered to you. The conveyance of these results neither contains any agreement on specifications or any guarantee of specifications nor does it release you from your obligation to control the goods for your own processes and purposes. Being an electronic document, this Certificate of Analysis is valid without signature.



Deoxidizer[®] LNC

Version 2.1

Revision Date 06/07/2017

Print Date 09/29/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATIONProduct name : Deoxidizer[®] LNC

Substance number : REL_3850

Chemical usage : Surface deoxidizer.

Manufacturer or supplier's details

Company : Chemetall Canada, Limited

Address : 10 Constellation Court
Toronto, Ontario M9W 1K1

Telephone : 905-791-1628

Telefax : 905-791-1459

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

Prepared by : Chemetall Canada, Ltd

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	liquid
Colour	amber
Odour	acid
Hazard Summary	Causes severe burns. Liquid or vapor causes burns which may be delayed. Also harmful by inhalation and if swallowed.

GHS Classification

Acute toxicity (Oral) : Category 4

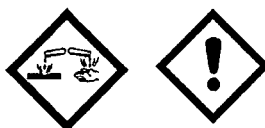
Skin corrosion : Category 1A

Serious eye damage : Category 1

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

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- Hazard statements** : Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
- Precautionary statements** : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Storage:
Store locked up.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

- Inhalation : yes
- Skin : yes
- Ingestion : yes
- Aggravated Medical Condition : None known.

Carcinogenicity:**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Sulfuric acid, iron(3+) salt (3:2)	10028-22-5	20 - 30
Nitric acid	7697-37-2	10 - 20
Potassium peroxymonosulfate sulfate (K ₅ H ₃ (SO ₃ (O ₂)) ₂ (SO ₄) ₂)	70693-62-8	1 - 5

Unidentified ingredients are considered not hazardous, or not required to be listed under Workplace Hazardous Material Information System (WHMIS).

SECTION 4. FIRST AID MEASURES

- If inhaled : If inhaled, remove to fresh air.
If symptoms persist, call a physician.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Pay particular attention to skin under nails.
Take off contaminated clothing and shoes immediately.
First treatment with calcium gluconate paste.
Get medical attention immediately if irritation develops and persists
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Get medical attention immediately
- If swallowed : Rinse mouth.
Give several glasses of water to drink followed by milk of magnesia.
Never give anything by mouth to an unconscious person.
Get medical attention immediately

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Dry powder
Foam
Carbon dioxide (CO₂)
- Further information : Use water spray to cool unopened containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.
- Methods and materials for containment and cleaning up : Ventilate area.
Neutralize with lime milk or soda and flush with plenty of water.
Clean up with inert absorbant material.
Keep in suitable, closed containers for disposal.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
Add this product to surface of solution slowly to avoid spattering
Do not add large amounts of product to solution at any one time.
Use only with adequate ventilation.
Do not breathe mist or vapor.
- Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place
Keep container out of sun and away from heat.
Keep container closed to prevent drying out.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sulfuric acid, iron(3+) salt (3:2)	10028-22-5	TWA	1.000000 mg/m3 (Iron)	CA AB OEL
		TWAEV	1.000000 mg/m3 (Iron)	CA QC OEL
		TWA	1.000000 mg/m3 (Iron)	CA BC OEL
		STEL	2.000000 mg/m3 (Iron)	CA BC OEL
		TWA	1.000000 mg/m3 (Iron)	CA AB OEL
		TWAEV	1.000000 mg/m3 (Iron)	CA QC OEL
		TWA	1.000000 mg/m3 (Iron)	CA BC OEL
		STEL	2.000000 mg/m3	CA BC OEL

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			(Iron)	
		TWA	1.000000 mg/m3 (Iron)	ACGIH
		TWA	1.000000 mg/m3 (Iron)	ACGIH
Nitric acid	7697-37-2	TWA	2 ppm 5.200000 mg/m3	CA AB OEL
		STEL	4 ppm 10.000000 mg/m3	CA AB OEL
		TWA	2 ppm	CA BC OEL
		STEL	4 ppm	CA BC OEL
		TWAEV	2 ppm 5.200000 mg/m3	CA QC OEL
		STEV	4 ppm 10.000000 mg/m3	CA QC OEL
		TWA	2 ppm	ACGIH
		STEL	4 ppm	ACGIH

Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection
Remarks : Impervious gloves
- Eye protection : Chemical resistant goggles must be worn.
Face-shield
- Skin and body protection : Complete suit protecting against chemicals
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : amber
- Odour : acrid
- pH : < 2.0
- Freezing point : -4.4 °C
- Boiling point/boiling range : No data available
- Flash point :
does not flash
- Evaporation rate : 1
Water = 1

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Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable.
Vapour pressure	: No data available
Relative density	: 1.48
Bulk density	: 12.35 lb/gal
Solubility(ies)	
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: freezing Avoid letting the product become dry.
Incompatible materials	: Bases Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid prolonged contact of concentrate with glass, ceramic, or concrete.
Hazardous decomposition products	: Nitrogen oxides (NOx) Sulphur oxides Traces of Fluorides Hydrogen when reacts with certain metal.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Components:****Sulfuric acid, iron(3+) salt (3:2):**

Acute oral toxicity	: LD50 Rat: 500.000000 mg/kg
Acute inhalation toxicity	: Humans: Target Organs: Lungs, Mucous membranes
Acute dermal toxicity	: Target Organs: Skin

Nitric acid:

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Acute inhalation toxicity : LC50 Rat: 67 ppm
Exposure time: 4 h

Skin corrosion/irritation

Components:

Nitric acid:
Result: Corrosive

Potassium peroxymonosulfate sulfate (K5H3(SO3(O2))2(SO4)2):
Result: Skin irritation

Serious eye damage/eye irritation

Components:

Nitric acid:
Result: Corrosive

Potassium peroxymonosulfate sulfate (K5H3(SO3(O2))2(SO4)2):
Result: Moderate eye irritation

Respiratory or skin sensitisation

Components:

Potassium peroxymonosulfate sulfate (K5H3(SO3(O2))2(SO4)2):
Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

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Bioaccumulative potential

Product:

Partition coefficient: n-
octanol/water

: Remarks: No data available

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues

: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

DSL Status

: All components of this material comply with the CANADA Domestic Substances List (DSL) Inventory requirements.

Canadian lists

Canadian National Pollutant Release Inventory (NPRI)

Nitric acid
Hydrofluoric acid

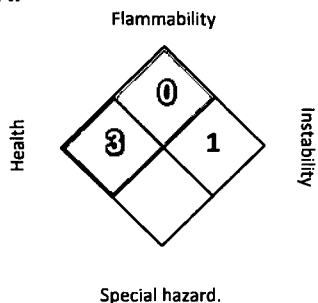
7697-37-2
7664-39-3

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NFPA:**HMIS III:**

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Corrosive Acid

Splash Goggles, Gloves, Apron, Dust
and Vapour Respirator**SECTION 16. OTHER INFORMATION****Further information**

Version 1.2

Revision Date 06/07/2017

Date of Last Revision 05/03/2017

Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.